

**STATEMENT OF BASIS (AI No. 43654)**

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0088609 to discharge to waters of the State of Louisiana.

**THE APPLICANT IS:** Archer Daniels Midland Company  
Tulane Fleeting, Inc.  
Post Office Box 656  
Ama, Louisiana 70031-0656

**ISSUING OFFICE:** Louisiana Department of Environmental Quality (LDEQ)  
Office of Environmental Services  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

**PREPARED BY:** Michelle Bickham

**DATE PREPARED:** June 13, 2007

**1. PERMIT STATUS****A. Reason For Permit Action:**

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

**B. NPDES permit -**

NPDES permit effective date: N/A

NPDES permit expiration date: N/A

**C. LPDES permit - (LA0088609)**

LPDES permit effective date: January 1, 2003

LPDES permit expiration date: December 31, 2007

**D. Date Application Received: May 23, 2007****2. FACILITY INFORMATION****A. FACILITY TYPE/ACTIVITY - barge cleaning facility**

Archer Daniels Midland Company, Tulane Fleeting, Inc. is an existing barge cleaning facility. The operations at the facility are as follows: (1) dry grain products are unloaded; (2) barges are swept to remove remaining product; (3) the barge is washed with water taken directly from the Mississippi River; (4) washwater is discharged back into the river. Note: This facility operates at Mississippi River Mile 150.9 and now includes operations that were previously conducted at River Mile 115.8.

Statement of Basis for  
Archer Daniels Midland Company, Tulane Fleeting, Inc.  
LA0088609, AI No. 43654  
Page 2

**B. FEE RATE**

1. Fee Rating Facility Type: minor
2. Complexity Type: II \*\*
3. Wastewater Type: II
4. SIC code: 4499

\*\* BPJ based on similar facilities and previous permit.

**C. LOCATION** - Louisiana Highway 44 at approximate Mississippi River Mile 150.9 on the left descending bank, Remy, St. James Parish  
(Latitude 30°01'04", Longitude 90°44'28")

**3. OUTFALL INFORMATION**

Outfall 001

Discharge Type: dry commodity barge washwater  
Treatment: none  
Location: at the point of discharge from the barge being washed  
(Latitude 30°01'04", Longitude 90°44'28")  
Flow: 34,400 gpd  
Discharge Route: directly into the Mississippi River

Outfall 02A

Discharge Type: incoming ballast from customer barges  
Treatment: none  
Location: at the point of discharge from the customer barge  
(Latitude 30°01'04", Longitude 90°44'28")  
Flow: 500 gallons per week  
Discharge Route: directly into the Mississippi River

Outfall 02B

Discharge Type: maintenance ballast water  
Treatment: none  
Location: at the point of discharge from the work, spar, or office  
barge (Latitude 30°01'04", Longitude 90°44'28")  
Flow: 500 gallons per week  
Discharge Route: directly into the Mississippi River

Statement of Basis for  
Archer Daniels Midland Company, Tulane Fleeting, Inc.  
LA0088609, AI No. 43654  
Page 3

#### 4. RECEIVING WATERS

STREAM - Mississippi River

BASIN AND SEGMENT - Mississippi River Basin, Segment 070301

DESIGNATED USES - a. primary contact recreation  
b. secondary contact recreation  
c. propagation of fish and wildlife  
d. drinking water supply

#### 5. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale below.

Changes from Previous Permit:

- Outfalls 002A and 002B are being renamed to Outfalls 02A and 02B.

#### 6. COMPLIANCE HISTORY/COMMENTS

##### A. Compliance History

There have been no recent inspections at the facility.

##### B. DMR Review/Excursions

DMR's were reviewed for the last two available years. All DMR's were sent in accordance with the existing permit. No excursions were found.

#### 7. EXISTING EFFLUENT LIMITS

Outfall 001 - dry commodity barge washwater

No effluent limitations were established for dry commodity washwaters. Best management Practices (BMPs) for barge operations were included in Part II.

Statement of Basis for  
 Archer Daniels Midland Company, Tulane Fleeting, Inc.  
 LA0088609, AI No. 43654  
 Page 4

Outfalls 002A and Outfall 002B - incoming ballast water from customer barges  
 and maintenance ballast water

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow - mgd	Report 1/week Est.	Report 1/week* Est.
COD	---	250 mg/L 1/week* Grab
Oil & Grease	---	15 mg/L 1/week* Grab
pH	6.0 - 9.0 s.u. 1/week* Grab	

\*1/month for maintenance ballast water only when a visible sheen is present

#### 8. ENDANGERED SPECIES

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which are listed as an endangered species. LDEQ has not submitted this draft permit to the FWS for review in accordance with a letter dated 9/29/06 from Watson (FWS) to Brown (LDEQ). As set forth in the Memorandum of Understanding between the LDEQ and the FWS, and based on information provided by the FWS, LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse effect upon the Pallid Sturgeon. Effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. The more stringent of technology and water quality based limits (as applicable) have been applied to ensure maximum protection of the receiving water.

Statement of Basis for  
Archer Daniels Midland Company, Tulane Fleeting, Inc.  
LA0088609, AI No. 43654  
Page 5

#### **9. HISTORIC SITES**

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

#### **10. TENTATIVE DETERMINATION**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

#### **11. PUBLIC NOTICES**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

Statement of Basis for  
 Archer Daniels Midland Company, Tulane Fleeting, Inc.  
 LA0088609, AI No. 43654  
 Page 6

### Rationale for Archer Daniels Midland Company

1. **Outfall 001 - dry commodity barge washwater** (estimated flow is 34,400 gpd)

Based on BPJ and on permits for similar facilities, no effluent limitations are established for washwaters from barges previously containing dry commodities. See Attachment A. Best Management Practices (BMPs) for barge operations are listed in Part II.

2. **Outfalls 02A and 02B - incoming ballast water from customer barges and maintenance ballast water** (estimated flow is 500 gallons per week)

<u>Pollutant</u>	<u>Limitation</u>	<u>Reference</u>
	Mo. Avg:Daily Max	
Flow	Report:Report	*
COD	---:250 mg/L	*
Oil & Grease	---:15 mg/L	*
pH	6.0 - 9.0 s.u.	*

**Treatment:** none

**Monitoring Frequency:** 1/week at the point of discharge from the customer barges; 1/month at the point of discharge from the work, spar, or office barge (maintenance ballast) when a visible sheen is present

**\*Limits Justification:** BPJ, previous permit, and similar outfalls. This facility is not subject to Effluent Limitations Guidelines for Transportation Equipment Cleaning, 40 CFR Part 442, because, in accordance with 40 CFR 442.1.a, "this part applies to discharges resulting from cleaning the interior of tanks used to transport chemical, petroleum or food grade cargos." This facility does not clean tanks. The facility cleans open and closed top hoppers only.

BPJ Best Professional Judgement  
 su Standard Units

#### NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

#### STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is required in the permit because in accordance with LAC 33:IX.2511.A.1.b, stormwater discharges that are associated with industrial

Statement of Basis for  
Archer Daniels Midland Company, Tulane Fleeting, Inc.  
LA0088609, AI No. 43654  
Page 7

activity shall be monitored. In accordance with LAC 33:IX.2511.B.14, SIC code 4499 is considered to be associated with industrial activity. However, an SWP3 is not included in this permit because the facility is a water related operation only. Barge BMPs are comparable to the SWP3 requirements; therefore, the barge BMPs will be applied instead. (see Part II of the permit).

#### TMDL/303(d) WATERBODIES

The discharges from Archer Daniels Midland Company, Tulane Fleeting, Inc. are to the Mississippi River, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.